

INCH-POUND

MS27496G  
12 July 2002  
SUPERSEDING  
MS27496F  
4 May 1990

# DETAIL SPECIFICATION SHEET

## CONNECTORS, RECEPTACLE, ELECTRICAL, BOX MOUNTING, CRIMP TYPE, BAYONET COUPLING, SERIES I

This specification is approved for use by all Departments  
and Agencies of the Department of Defense.

The requirements for acquiring the product described herein  
shall consist of this specification and MIL-DTL-38999.

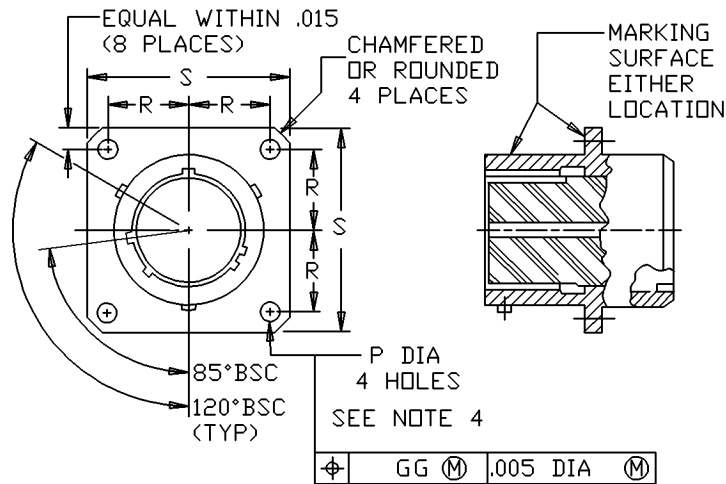


FIGURE 1. Receptacle, class E.

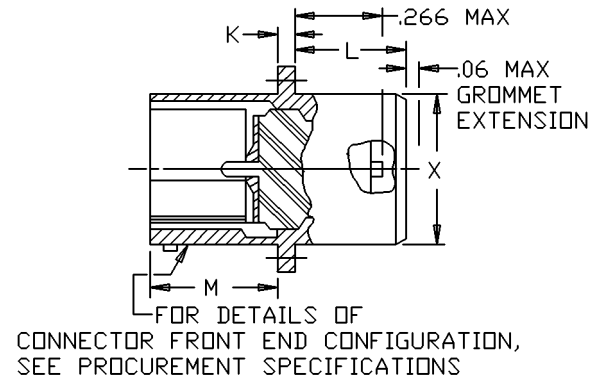


FIGURE 1. Receptacle, class E - Continued.

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Shell size	K +.015 -.000	L max	M +.000 -.005	P dia +.010 -.005	R BSC	S ±.020	X max dia
9	.085	.312	.632	.128	.3595	.938	.469
11					.406	1.031	.594
13					.453	1.125	.719
15					.4845	1.219	.844
17					.531	1.312	.969
19					.578	1.438	1.078
21	.115	.312	.602	.147	.625	1.562	1.203
23					.6875	1.688	1.328
25					.750	1.812	1.453

Inches	mm	Inches	mm	Inches	mm	Inches	mm
.005	0.13	.3595	9.13	.625	15.88	1.125	27.58
.007	0.18	.406	10.31	.632	16.05	1.203	30.56
.010	0.25	.453	11.51	.6875	17.46	1.219	30.96
.015	0.38	.469	11.91	.719	18.26	1.312	33.32
.020	0.51	.4845	12.31	.750	19.05	1.328	33.73
.085	2.16	.531	13.49	.844	21.44	1.438	36.53
.115	2.29	.560	14.22	.938	23.83	1.453	36.91
.128	3.25	.578	14.68	.969	24.61	1.562	39.67
.147	3.73	.594	15.09	1.031	26.19	1.688	42.88
.266	6.76	.602	15.29	1.078	26.38	1.812	46.02
.312	7.92						

## NOTES:

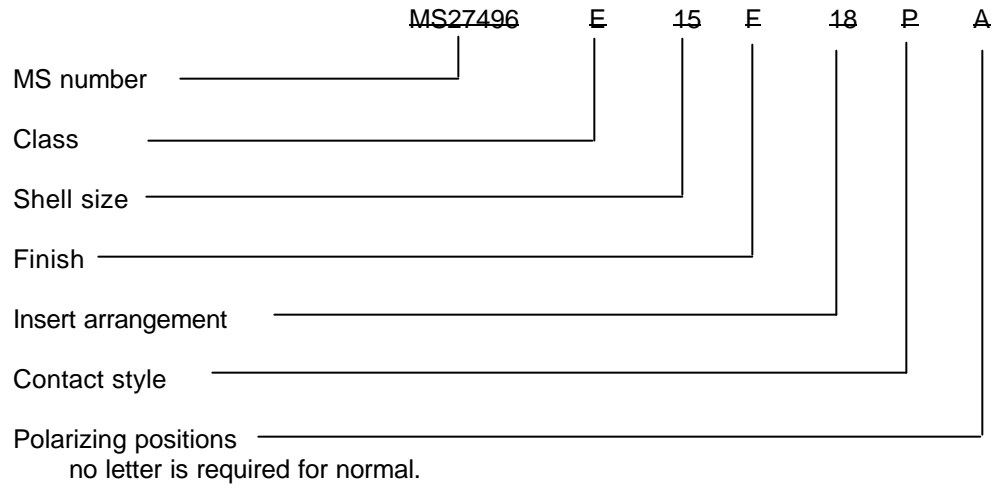
1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. For main keyway and keyway positions, see MIL-DTL-38999.
4. The gauge features for GG shall be .010 (0.25 mm) smaller than the MMC size at basic location.

FIGURE 1. Receptacle, class E - Continued.

REQUIREMENTS:

Dimensions and configuration: See figure 1.  
 Interface dimensions shall conform to MIL-DTL-38999.  
 Mating connectors: MS27467, MS27661 and MS27653.  
 Insert arrangements: See MIL-STD-1560.

Part or Identifying Number (PIN) example:



CONCLUDING MATERIAL

Custodians:  
 Army - CR  
 Navy - AS  
 Air Force - 11  
 DLA - CC

Preparing activity:  
 DLA - CC  
 (Project: 5935-4399)

Review activities:  
 Army - AR, MI  
 Navy - EC, MC, OS  
 Air Force - 19, 99